package dataProvider;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.util.ArrayList;

import java.util.List;

import org.apache.poi.ss.usermodel.Row;

import org.apache.poi.xssf.usermodel.XSSFSheet;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

public class ExcelDataConfig {

XSSFWorkbook wb;

XSSFSheet sheet1;

public Row row;

//creating a constructor

public ExcelDataConfig(String excelPath) {

try

{

File src=new File(excelPath);

FileInputStream fis=new FileInputStream(src);

wb = new XSSFWorkbook(fis);

sheet1 = wb.getSheetAt(0);

} catch (Exception e) {

System.out.println(e.getMessage());

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//To get the sheet names of an excel sheet

public List<String> getSheetnames(){

List<String> sheetnames = new ArrayList<String>();

for (int i=0; i<wb.getNumberOfSheets(); i++) {

System.out.println("SheetNames are \t"+wb.getSheetName(i));

sheetnames.add( wb.getSheetName(i) );

}

return sheetnames;

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*To get Rowcount for a specific excel sheet\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public int getRowcont(String sheetName) {

sheet1=wb.getSheet(sheetName);

int rowcount=sheet1.getLastRowNum();

return rowcount+1;

}

//End of GetRowCount method

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*cell data of a specific sheet\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public String getCellData(String sheetName,int rowNum,int ColNum) {

sheet1=wb.getSheet(sheetName);

row=sheet1.getRow(rowNum);

return row.getCell(ColNum).getStringCellValue();

}

/\*

public String getCellData(String sheetName, String colName, int currentSuiteID) method specification :-

1) Return Data inside a particular cell of a particular column

2) sheetName -> name of the excel sheet.

3) colName -> Refer to the ColumnHeader in xls file

4) currentSuiteID -> Refer to the rowNumber Number in xls file

\*/

public String getCellData(String sheetName,String colName,int currentSuiteID) {

sheet1=wb.getSheet(sheetName);

row = sheet1.getRow(0);

int colIndex=0;

for(int i=0;i<row.getLastCellNum();i++)

{

if(row.getCell(i).getStringCellValue().equalsIgnoreCase(colName)) {

colIndex=row.getCell(i).getColumnIndex();

}

}

if(sheet1.getRow(currentSuiteID-1).getCell(colIndex)!=null){

//return sheet1.getRow(currentSuiteId-1).getCell(colIndex).getStringCellValue().trim();

String data1=sheet1.getRow(currentSuiteID-1).getCell(colIndex).getStringCellValue().trim();

System.out.println("The data for the specific Sheet " + sheetName + " and for row " + currentSuiteID + " and for column " + colName + " is " + data1 );

return data1;

} else {

return null;

}

}

public String getData(int sheetNumber,int row,int column)

{

sheet1=wb.getSheetAt(0);

String data=sheet1.getRow(row).getCell(column).getStringCellValue();

return data;

}

}